Original/Duplicate/Triplicate

P.W.G. 17 — 1st and final Bill — **CONTRACT CERTIFICATE** — Reference paras 158 & 170

NO

Division Yelahanka — Sub division Yelahanka New Town — Date 15/10/18

Bills received No — WK-DBR No. 62 — Date 03.10.18 — Sub-divisional / Divisional — Cash book vr No — SBR No: — Date 24/9/2018

Sheduled Docket No — Head of account 3106 (Nagarotthana)

Name of work(as per sanctioned estimate) :-

NAME OF WORK :Construction of compound wall and other additional works to Indira Canteen in ward no 04

Work Code:004-18-000081

Name of contractor and full address :- **Technical Manager (west)**

Reference to agreement No :- 5 — **Estimated cost : 16.00** — **Work order No :5, dt:14/06/2018**

Certified that the measurments were taken by me on 25/09/18 and recorded on pages 102902 to 924 of measurment book No 10310 and the work is satisfactorily executed by the contractor.

Assistant Executive Engineer
Byatarayanapura Sub Division
KRIDL, BBMP, Bangalore

Signature of contractor

Ramreegeerish
Asst. Engineer

Certified that the measurements have been taken by me on 25/09/18 and recorded correct.The work is satisfactorily executed
Certified that the quantities of materials shown in column 3 of account II have been actualy brought to site of work and the contractor has not previously received any advance on this security. These materials are of any imperishable nature and are all required by the contractor for immidiate use on the work in connection with items for which rates finished work have been agreed upon A formal agreement signed and executed by the contractor is recorded in divisional office.

Sub-divisional officer

II MEMORANDUM OF PAYMENT

1) Total value of work done or supplies as per A/c within		
2) Deduct amount to be held in reserve being-----percent Rs----------%		
3) Balance---	1st & Final	1590154=00
4) Deduct payments		
a) Amount of previous payment as in divisional/sub divisional cash book vr No----------dated----------S.D No----------Amount adjusted towards cash advance recovery of	FSD	79508=00
	CGST	15902
b) Cost of payments/stores or other materials supplied now made recovery of	SGST	15902
Amount paid on this bill by cheque/cash	IT	31803
Total	LC	15902
	CAF	1590
	LR	17310
5) Balance being unpaid value of work done held in reserve		
6) Deduct cash of advance made on divisional/sub divisional cash book	TD	177917
7) Net amount due to or from contractor	Net	1412237
UN ADJUSTED ITEMS		
8) Advance to contractor for materials to site(as detailed within)		
9) Value of government materials supplied		
TOTAL AMOUNT UN-ADJUSTED		

Assistant Executive Engineer
Byatarayanapura Sub Division
KRIDL, BBMP, Bangalore

Contractor's signatures

Received Rs----------(in words)----------

For use in the Executive Engineer's office----------

of payment as per memorandum
(in final settlement of all demand)

Witness
1)
2)

Assistant Executive Engineer
Byatarayanapura Sub Division
KRIDL, BBMP, Bangalore

Dated Signature of contractor
paid by the cheque dated

Reciept Stamp

Audited & Admitted for Rs 1590154=00
1412237=00 by Cheque
and Rs 177917=00 by adjustment

Cash Rs.....

Date — Initials of officer making payment — Date — Executive Engineer

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
1	2	3	4	5	6	7	8	9	10
1	KSRRB 200-clearing and grubbing road land KSRRB 200-8 : Cleaning and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and tress of girth upto 300mm by manual means, in area of light jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials within a lead of 100 meters from road boundary, labour charges complete as per specifications. MORTH chapter 2. No. thorney jungle Page No 136, Item n 18.11 SR 2016-17	sqm			2242 2250.00	6.36	14310.00	2242 2250.00	14259 ~~14310.00~~
2	Engaging on Hire Basis JCB including Driver/operator with fuel etc complete (SR 2016-17) Page No XXXXVI code 1031) Sl No 23	Day			10.00	6720.00	67200.00	10.00	67200.00
3	Engaging on Hire Basis Tipper including Driver/operator with fuel etc complete (SR 2016-17) Page No XXXXVI code 1011) Sl No 09	Day			6.00	2016.00	12096.00	6.00	12096.00
4	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No142., I.No.19.1 of KPWD S.R 2016-17).	Cum.			229.82 230.40	86.92	19976 ~~20026.37~~	229.82 230.40	19976 ~~20026~~.37

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
5	KSRB 2-2.1 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, No.5/Item No. 2.3) SR 2016-17	cum			33.42	200.34	6695.36	33.42	6695.36
6	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Moorum /soil KSRRB M100 1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 134 (SR 2016-17)	cum			263.24 263.82	— 85.65	22547 22596.18	263.24 263.82	22547 22596.18
7	KSRRB M300-53: construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 complete as per specifications. (which includes cost of gravel/murrum, watering charges & compaction by vibratory roller) MORTH specification Page No. 305.4.3, No. 156/ Item No. 19.60/ PWD SR 2016-17	cum			243.99 252.46	— 320.12	80959 80817.50	243.99 252.46	80959 80817.50

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
8	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.158 I.No.20.18)				2.09	1768.08	3695.29	2.09	3695.29
9	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix **1:3:6 with OPC cement** @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregates @ 0.465cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No.KBS 4.1, 4.2 (P.12/I.4.2)/ PWD SR 2016-	Cum			20.24	5348.76	108258.90	20.24	108258.90
10	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation** with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 (Page No. 23/ Item No. 5.6)	Sqm			21.12	4438.22	93735.21	21.12	93735.21

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
	KSRB 1.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc**, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	Cum			26.71 26.93	6371.66	170187 171588.80	26.71 26.93	170187 171588.80
12	KSRB 15.1.1: Providing **flush pointing** to square rubble, course or uncoursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.(Page No.113/ Item No. 15.1)	Sqm			23.92 24.80	102.82	2459 2549.94	23.92 24.80	2459 2549.94
13	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 27/ Item No. 5.27/ PWD SR 2016-17	Sqm			123.48	993.22	122642.81	123.48	122642.81

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
14	KSRB 6-1.1 : Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of class designation 35 with mud mortar for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.Specification No. KBS 6.2 Page No.27 / Item No. 6.1/ PWD	Cum			5.34 ~~5.46~~	5420.84	28990 29597.79	5.34 ~~5.46~~	28990 ~~29~~597.79
15	KSRB 15.3.1 : Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever reuired smooth rendering, : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 122/ Item No. 15.11/ PWD SR 2016-17	sqm			161.21	140.98	22727.39	161.21	22727.39
16	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. with primer,page No.114 item No.15.53.2/PWD SR 2014-15				161.21	79.50	12816.20	161.21	12816.20
17	Providing and fixing Pre cast solid concrete kerb stones made out of CC 1:2:4 of size 450x200x400 mm and finished with CM 1:3 plastering and finishing cutting etc., complete. Page No. 28/ Item No. 5.29/ PWD SR 2016-17	Nos			90.00	385.84	34725.60	90.00	34725.60

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
18	KS[illegible] 4.6-1 : Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. Page No.101/ Item No. 14.7 / PWD SR 2016-17	Sqm			~~76.70~~ 76.90	1028.20	~~78862.94~~ 79068.58	~~76.70~~ 76.90	~~78862.94~~ 79068.58
19	Providing vitrified glazed tiles of approved make quality & colour or size 600x600 x 10mm thick fixed on bed of 12mm thick cement morter for flooring skirting and joined with neat cement slurry mixed with pigment to mach shade of tiles including providing spacers at required interval and removing stains including cost of all materials morter labour etc complete as per specifications Item No. 14.45 / page no 107 PWD SR 2016-17	Sqm			26.51	1106.64	29337.03	26.51	29337.03

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement Qty	Previous Measurement Cost	Present Measurement Qty	Present Measurement Rate	Present Measurement Amount	Total Up to date Qty	Total Up to date Cost
20	Fabricating, providing and erecting in position of MS Hot Dip Galvanised Sq. Hallow Poles of 132 X 132 Heavy gauge of length 3000mm with MS. Hot dip Galvanised grill work as per approved design and drawing of chief architect. Using 12 X 75mm galvanised flat for alround frame and 20 X 20mm galvanised forged design with square for vertical at 150mm c/c as shown in the drawing including providing forged ornamental arrowhead at top and bottom. The work is inclusive of throughing flat, square rods, placing welding all the joints, including grinding, finishing 2 coats of anticorrosive paint over one coat of metal primer. The rate is inclusive of all materials like MS. Hollow galvanized pipe, flats, forged square rods, cost of labour for all items of work cost painting, welding, cutting, grinding with all lead and lift as per specification including loading and	sqm			16.66 16.68	9144.00	152339 152521.92	16.66 16.68	152521.92 152339

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
21	...ing, providing and erecting in position Hot dip galvanised Gate. Using 72 X 72 X 4.8mm Sq. GI Pipe Frame with Top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanised sq. rod for verticals at 150mm c/c, as shown in the drawing including providing hot dip galvanised forged ornamental design in between sq. rods and heads at top, middle and bottom. Intermediate supports of 75X12 mm and 50X6 mm arch bend to hot dip galvanised flats. The work is inclusive of throughing GI flat GI sq. rods, placing, welding all the joints including grinding, finishing metal putty, painting two coats enamel painting. The rate is inclusive of all materials like GI sq. pipe, GI sq. rods, GI forged designs etc., heavy duty hinges are made out of 75mm solid sq. block assembled with 20mm dia bearing in three places for	Nos			3.90	12475.00	48652.50	3.90	48652.50

Sl. No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement Qty	Previous Measurement Cost	Present Measurement Qty	Present Measurement Rate	Present Measurement Amount	Total Up to date Qty	Total Up to date Cost
22	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specificationsNo.KBS Page No. 70/ Item No. 11.50 PWD SR 2016-17	Unit			2.00	7463.46	14926.92	2.00	14926.92
23	KSRRB 800-1: **painting two coats after filling the surface** with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specification MORTH chapter 8, No. 182/ Item No. 24.1/ PWD SR 2016-17	sqm			25 32.63	63.60	1590 2075.27	25 32.68	1590 2075.27
24	RCC Precast covering slab for drain (10cm thick)	sqm			103.5 104.40	2100.00	219240.00	103.5 104.40	219240.00
25	Providing and laying flooring using pre polishing water cut/gang saw 19 mm thick **Granite slab over** existing cement concrete bed in CM 1:4 at 20mm thick (average) pointed with white cement/ colour pigment etc., complete. using gray granite Page No. 115/ Item No. 14.47.1 / PWD SR 2016-17	sqm			8.51 9.00	2776.14	23624.95 24985.26	8.51 9.00	24985.26

Sl No	Items grouped under Sub-heads and Sub-works of the estimate	Unit	Previous Measurement		Present Measurement			Total Up to date	
			Qty	Cost	Qty	Rate	Amount	Qty	Cost
26	KSRR M300-Turfing with sods/seeding and Mulching KSRRB M300-31: Turfing with sods-furnishing and laying of the live sods of perennial turf forming grass on embankment slope, verges or other locations show on the drawing or as directed b the engineer including preparation of ground, fetching of sods and watering, complete as per specifications.MORTH specification No. 307, No. 153/ Item No. 19.36/ PWD SR 2016-17	sqm			10.42 10.80	21.20	220 228.96	10.42 10.80	220 228.96
27	Supplying and fixing granite benches to the parks and Governament schools etc..,,	Nos			4.00	10550.00	42200.00	4.00	42200.00
			TOTAL			1432577	1439315.75		1439315.75
			KRIDL 11%			157583	158324.73		158324.73
			Grand Total			1590154	~~1597640.48~~ 1597290		~~1597640.48~~ 1597290

Ward No 04
Assistant Engineer

Assistant Execuive Engineer
Yelahanka Satellite Town Sub Division
BBMP, Bangalore